



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Smith Mountain Impact Systems
11520 Sw 120 Street
Miami, FL 33186

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series SMI-175 Aluminum Window Wall System-S.M.I.

APPROVAL DOCUMENT: Drawing No. **W04-100**, titled "Series SMI-175 Alum. Window Wall System (S.M.I.)", sheets 1 through 7 of 7, prepared by AL- Farooq Corporation, dated 11/26/04, signed and sealed by Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Small Missile Impact

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence pages E-1, and E-2, as well as approval document mentioned above

The submitted documentation was reviewed by **Herminio F. Gonzalez, P.E., Director, BCCO**



NOA No 05-0209.01
Expiration Date: May 05, 2010
Approval Date: May 05, 2005
Page 1

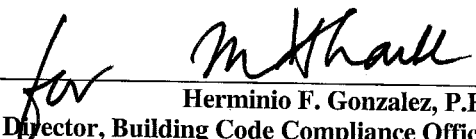
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturers die drawings and sections.
2. Drawing No. **W04-100**, titled "Series SMI-175 Alum. Window Wall-(S.M.I.)", sheets 1 through 7 of 7, prepared by AL- Farooq Corporation, dated 11/26/04, signed and sealed by Humayoun Farooq, P.E.

B. TESTS

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Small Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Resistant Test, per FBC 2411.3.2.1 (b) and TAS 202-94
along with marked-up drawings and installation diagram of aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4267**, dated 08/13/04, signed and sealed by Edumundo Largaespada, P.E.
2. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Small Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-3465**, dated 07/17/02, signed and sealed by James Worth, P.E.
3. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Small Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-3833**, dated 08/05/03, signed and sealed by Joseph Chan, P.E.
4. Test reports on 1) Small Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4257**, dated 07/18/04, signed and sealed by Edumundo Largaespada, P.E.

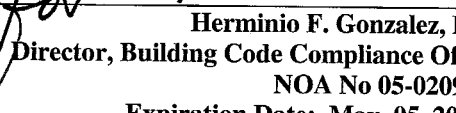


Herminio F. Gonzalez, P.E.
Director, Building Code Compliance Office
NOA No 05-0209.01
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- C. CALCULATIONS**
1. Anchor Calculations, ASTM-E1300, and structural analysis, prepared by AL-Farooq Corporation, dated 12/17/04, signed and sealed by Humayoun Farooq, P.E.
- D. QUALITY ASSURANCE**
1. Miami Dade Building Code Compliance Office (BCCO).
- E. MATERIAL CERTIFICATIONS**
1. Notice of Acceptance No. 03-1223.04 issued to "Surface Specialities, Inc." for "Uvekol" dated 02/05/04, expiring on 02/08/09.
 2. Notice of Acceptance No. 01-0205.02 issued to "Solutia, Inc." for "Saflex/Keepsafe Maximum" dated 05/17/01, expiring on 05/21/06.
- F. STATEMENTS**
1. Statement letter of conformance, dated December 17, 2004, signed and sealed by Humayoun Farooq, P.E.
 2. Statement letter of no financial interest, dated December 17, 2004, signed and sealed by Humayoun Farooq, P.E.
- G. OTHER**
1. Letter from the consultant stating that the product is in compliance with the Florida Building Code (FBC).



Herminio F. Gonzalez, P.E.
Director, Building Code Compliance Office
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FRAME/MULLION HEIGHT
SEE CHART SHEET 3

D.L. OPG. HEIGHT
SEE SHEET 2

18" MAX.
AT JAMBS

3"
HEAD/SILL
CORNERS

2 1/2"

22 7/8" MAX.
SILL

5"

5"

5"

ANCHORS
AT EACH SIDE OF MULLION
SEE SHEET 4 FOR CAPACITY

SEE DOOR NOA
FOR DOOR FRAME
ANCHORS CAPACITY

SEE 'SMITH MOUNTAIN'
DOOR NOA
FOR DOOR RATING
& DETAILS.

TYPICAL ELEVATIONS

FRAME/MULLION HEIGHT
SEE CHART SHEET 3

D.L. OPG. HEIGHT
SEE SHEET 2

3"
HEAD/SILL
CORNERS

2 1/2"

22 7/8" MAX.
SILL

6" MAX.
JAMB CORNERS

18" MAX.
AT JAMBS

SERIES SMI-175 ALUM WINDOW WALL SYSTEM

THIS PRODUCT RATED FOR SMALL MISSILE IMPACT.
MIAMI-DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS
REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE.
SHUTTERS NOT REQD. FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.
CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE
REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY
HURRICANE ZONE.

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER
LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS.
ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL
DRESSING OR STUCCO.

ALL STEEL IN CONTACT WITH ALUMINUM TO BE PAINTED OR PLATED.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS
ARE NOT PART OF THIS APPROVAL.

A 33% INCREASE IN ALLOWABLE STRESS WAS USED IN DESIGN OF ANCHORS.

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENT BASED
ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE
USING APPLICABLE ASCE 7 STANDARD.
- STEP 2** SEE CHARTS ON SHEETS 2 FOR DESIGN LOAD CAPACITY
OF DESIRED GLASS SIZE.
- STEP 3** CHECK MULLION CAPACITY FOR A GIVEN SPACING AND
HEIGHT USING CHARTS ON SHEET 3
THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 4** USING CHART ON SHEETS 4 SELECT ANCHOR OPTION
WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED
IN STEP 1 ABOVE.

Approved as complying with the
Florida Building Code
Date 05/05/05
NOA# 05-0209.01
Miami Dade Product Control
Division
By *[Signature]*

LAMINATED GLASS
SMALL MISSILE IMPACT

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

JAN 28 2005

revisions:	no	date	by	description

date: 11-26-04
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W04-100
sheet 1 of 7

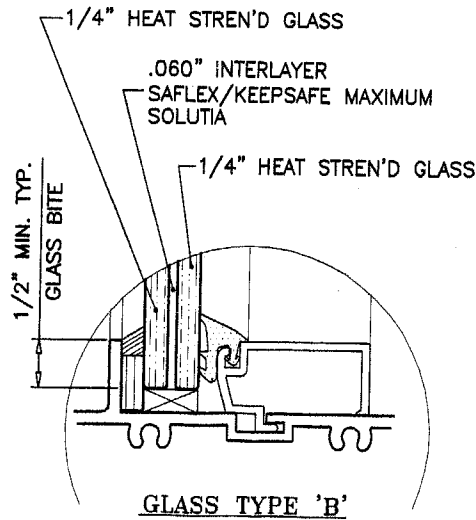
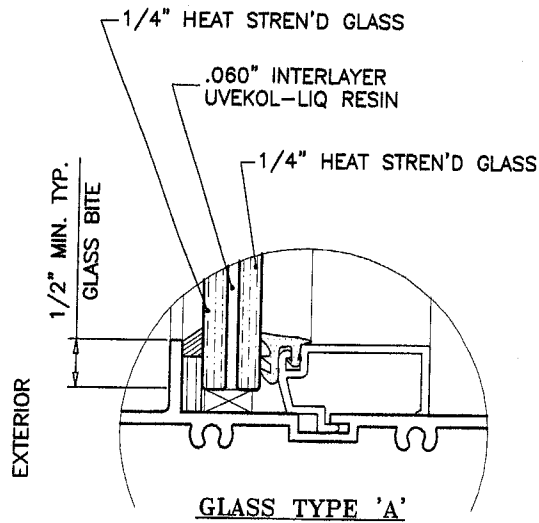
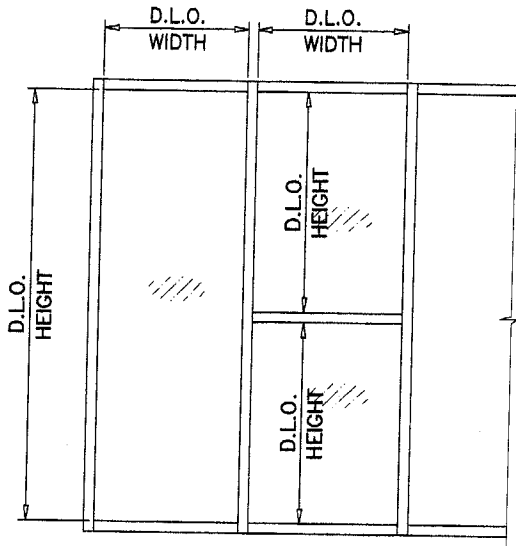
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AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978

SERIES SMI-175 ALUM WINDOW WALL (S.M.I.)
SMITH MOUNTAIN IMPACT SYSTEMS
11520 S.W. 120 ST.
MIAMI, FL. 33176
TEL. (305) 278-2878 FAX. (305) 278-2879

COMP-ANL\W04-100SM

GLASS LOAD CAPACITY - PSF		
NOMINAL DIMS.		TYPE 'A' & 'B'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)&INT.(-)
26"	74"	120.0
29"		120.0
32"		120.0
35"		120.0
38"		120.0
41"		120.0
44"		120.0
47"		120.0
50"		120.0
26"	80"	120.0
29"		120.0
32"		120.0
35"		120.0
38"		120.0
41"		120.0
44"		120.0
47"		120.0
26"	86"	120.0
29"		120.0
32"		120.0
35"		120.0
38"		120.0
41"		120.0
44"	92"	120.0
26"		120.0
29"		120.0
32"		120.0
35"		120.0
38"		120.0
41"	98"	120.0
26"		120.0
29"		120.0
32"		120.0
35"		120.0
38"	104"	120.0
26"		120.0
29"		120.0
32"		120.0
35"	110"	120.0
26"		120.0
29"		120.0
32"	116"	120.0
26"		120.0
29"	120"	120.0
32"		120.0



GLAZING OPTIONS

Approved as complying with the
Florida Building Code
Date 03/05/05
NOAH 05-0209.01
Miami Date Product Control
By *[Signature]*

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 18557
C.A.N. 3538

JAN 28 2005

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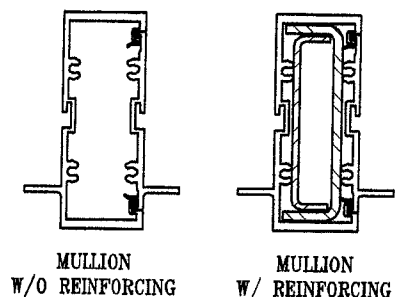
revisions:	no	date	by	description

date: 11-26-04
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dr. by: HAMID
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drawing no.
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sheet 2 of 7

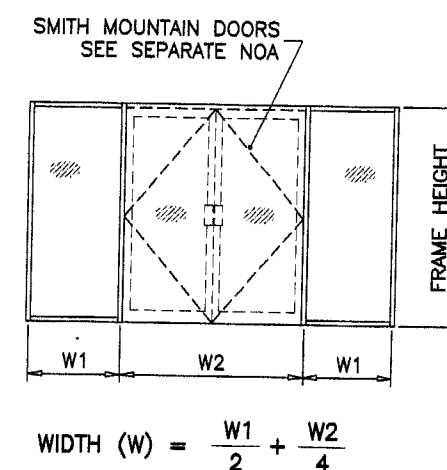
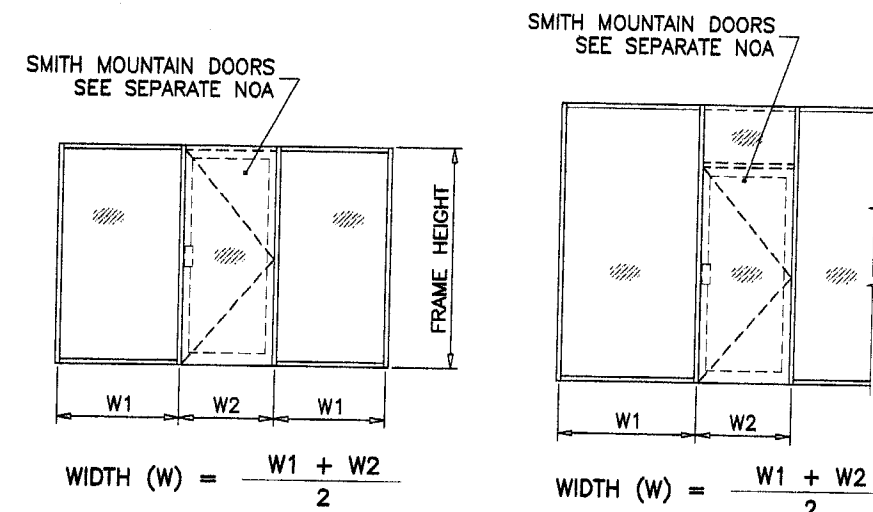
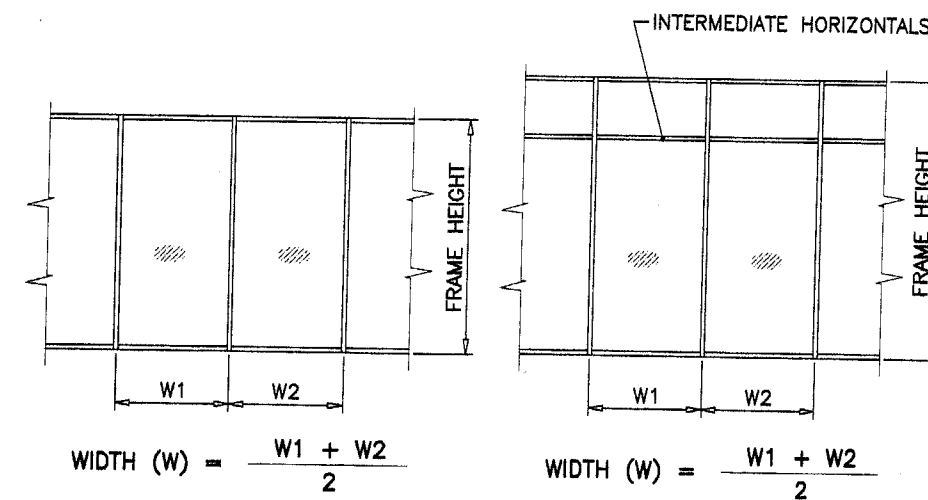
DESIGN LOAD CAPACITY - PSF					
NOMINAL DIMS.		FRAME MULLION			
		WITHOUT REINFORCING		WITH REINFORCING	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
24"	72"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		100.0	100.0	100.0	120.0
42"		100.0	100.0	100.0	120.0
48"		100.0	100.0	100.0	120.0
54"		100.0	100.0	100.0	120.0
60"		100.0	100.0	100.0	120.0
66"		93.4	93.4	100.0	100.0
24"	78"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		100.0	100.0	100.0	120.0
42"		100.0	100.0	100.0	120.0
48"		100.0	100.0	100.0	120.0
54"		97.2	97.2	100.0	120.0
60"		87.5	87.5	90.0	100.0
66"		79.6	79.6	90.0	100.0
24"	84"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		100.0	100.0	100.0	120.0
42"		100.0	100.0	100.0	120.0
48"		94.3	94.3	100.0	120.0
54"		83.8	83.8	90.0	100.0
60"		75.5	75.5	90.0	100.0
66"		-	-	90.0	100.0
24"	90"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		100.0	100.0	100.0	120.0
42"		93.9	93.9	100.0	120.0
48"		82.2	82.2	100.0	120.0
54"		73.0	73.0	90.0	100.0
60"		-	-	90.0	100.0
66"		-	-	90.0	100.0
24"	96"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		96.3	96.3	100.0	120.0
42"		82.5	82.5	100.0	120.0
48"		72.2	72.2	90.0	100.0
54"		64.2	64.2	90.0	100.0
60"		-	-	90.0	100.0
66"		-	-	90.0	100.0
24"	102"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		85.3	85.3	100.0	120.0
42"		73.1	73.1	100.0	120.0
48"		64.0	64.0	90.0	100.0
54"		-	-	90.0	100.0
60"		-	-	90.0	100.0
66"		-	-	90.0	100.0
24"	108"	100.0	100.0	100.0	120.0
30"		87.7	87.7	100.0	120.0
36"		73.1	73.1	100.0	120.0
42"		62.7	62.7	90.0	100.0
48"		54.8	54.8	90.0	100.0
54"		-	-	90.0	100.0
60"		-	-	90.0	100.0
66"		-	-	90.0	100.0

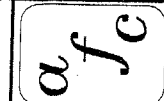
DESIGN LOAD CAPACITY - PSF					
NOMINAL DIMS.		FRAME MULLION			
		WITHOUT REINFORCING		WITH REINFORCING	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
24"	114"	93.2	93.2	100.0	120.0
30"		74.6	74.6	100.0	120.0
36"		62.2	62.2	100.0	120.0
42"		53.3	53.3	90.0	100.0
48"		-	-	90.0	100.0
54"		-	-	90.0	100.0
60"		-	-	90.0	100.0
66"		-	-	90.0	100.0
24"	120"	79.9	79.9	100.0	120.0
30"		64.0	64.0	100.0	120.0
36"		53.3	53.3	100.0	120.0
42"		45.7	45.7	90.0	100.0
48"		-	-	90.0	100.0
54"		-	-	90.0	97.3
60"		-	-	87.6	87.6
66"		-	-	87.6	87.6
24"	126"	69.1	69.1	100.0	120.0
30"		55.2	55.2	100.0	120.0
36"		46.0	46.0	90.0	100.0
42"		-	-	90.0	100.0
48"		-	-	90.0	94.6
54"		-	-	84.1	84.1
60"		-	-	84.1	84.1
66"		-	-	84.1	84.1
24"	132"	60.1	60.1	100.0	120.0
30"		48.1	48.1	100.0	120.0
36"		40.0	40.0	90.0	100.0
42"		-	-	90.0	94.0
48"		-	-	82.3	82.3
54"		-	-	73.1	73.1
60"		-	-	73.1	73.1
66"		-	-	73.1	73.1
24"	138"	52.6	52.6	100.0	120.0
30"		42.1	42.1	100.0	115.2
36"		35.0	35.0	90.0	96.0
42"		-	-	82.3	82.3
48"		-	-	72.0	72.0
54"		-	-	72.0	72.0
60"		-	-	72.0	72.0
66"		-	-	72.0	72.0
24"	144"	46.3	46.3	100.0	120.0
30"		37.0	37.0	100.0	101.4
36"		30.8	30.8	84.5	84.5
42"		-	-	72.4	72.4
48"		-	-	63.4	63.4
54"		-	-	63.4	63.4
60"		-	-	63.4	63.4
66"		-	-	63.4	63.4



Approved as complying with the
Florida Building Code
Date 05/05/05
NOA# 05-0209.01
Miami Code Product Control
Division
By *[Signature]*

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538
[Signature]
JAN 28 2005





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revisions:

no	date	by	description

date: 11-26-04
scale: 1/2" = 1"
dr. by: HAMID
chk. by: *[Signature]*

drawing no.
W04-100

sheet 3 of 7

ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)						
NOMINAL DIMS.		ANCHORS TYPE 'A'			TYPE 'B'	TYPE 'C'
WIDTH (W)	FRAME HEIGHT	A3	A4	A5	B2	C2
24"	72"	120.0	120.0	120.0	120.0	120.0
30"		120.0	120.0	120.0	120.0	120.0
36"		120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0
54"		107.3	120.0	120.0	120.0	120.0
60"		96.6	120.0	120.0	120.0	120.0
66"		87.8	112.9	120.0	120.0	120.0
24"	78"	120.0	120.0	120.0	120.0	120.0
30"		120.0	120.0	120.0	120.0	120.0
36"		120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0
48"		111.5	120.0	120.0	120.0	120.0
54"		99.1	120.0	120.0	120.0	120.0
60"		89.2	114.6	120.0	120.0	120.0
66"		81.1	104.2	120.0	120.0	120.0
24"	84"	120.0	120.0	120.0	120.0	120.0
30"		120.0	120.0	120.0	120.0	120.0
36"		120.0	120.0	120.0	120.0	120.0
42"		118.3	120.0	120.0	120.0	120.0
48"		103.5	120.0	120.0	120.0	120.0
54"		92.0	118.3	120.0	120.0	120.0
60"		82.8	106.5	120.0	120.0	120.0
66"		75.3	96.8	118.3	120.0	120.0
24"	90"	120.0	120.0	120.0	120.0	120.0
30"		120.0	120.0	120.0	120.0	120.0
36"		120.0	120.0	120.0	120.0	120.0
42"		110.4	120.0	120.0	120.0	120.0
48"		96.6	120.0	120.0	120.0	120.0
54"		85.9	110.4	120.0	120.0	120.0
60"		77.3	99.4	120.0	120.0	120.0
66"		70.3	90.3	110.4	120.0	120.0
24"	96"	120.0	120.0	120.0	120.0	120.0
30"		120.0	120.0	120.0	120.0	120.0
36"		120.0	120.0	120.0	120.0	120.0
42"		103.5	120.0	120.0	120.0	120.0
48"		90.6	116.4	120.0	120.0	120.0
54"		80.5	103.5	120.0	120.0	120.0
60"		72.5	93.1	113.8	120.0	120.0
66"		65.9	84.7	103.5	120.0	119.8
24"	102"	120.0	120.0	120.0	120.0	120.0
30"		120.0	120.0	120.0	120.0	120.0
36"		113.6	120.0	120.0	120.0	120.0
42"		97.4	120.0	120.0	120.0	120.0
48"		85.2	109.6	120.0	120.0	120.0
54"		75.8	97.4	119.1	120.0	120.0
60"		68.2	87.7	107.2	120.0	120.0
66"		62.0	79.7	97.4	113.4	112.7
24"	108"	120.0	120.0	120.0	120.0	120.0
30"		120.0	120.0	120.0	120.0	120.0
36"		107.3	120.0	120.0	120.0	120.0
42"		92.0	118.3	120.0	120.0	120.0
48"		80.5	103.5	120.0	120.0	120.0
54"		71.6	92.0	112.4	120.0	120.0
60"		64.4	82.8	101.2	117.8	117.1
66"		58.5	75.3	92.0	107.1	106.5

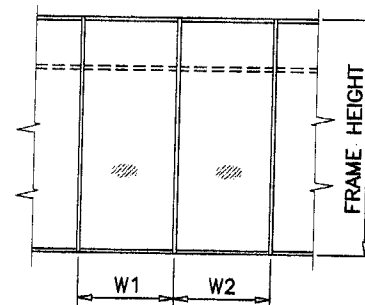
ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)						
NOMINAL DIMS.		ANCHORS TYPE 'A'			TYPE 'B'	TYPE 'C'
WIDTH (W)	FRAME HEIGHT	A3	A4	A5	B2	C2
24"	114"	120.0	120.0	120.0	120.0	120.0
30"		120.0	120.0	120.0	120.0	120.0
36"		101.7	120.0	120.0	120.0	120.0
42"		87.2	112.1	120.0	120.0	120.0
48"		76.3	98.1	119.8	120.0	120.0
54"		67.8	87.2	106.5	120.0	120.0
60"		61.0	78.4	95.9	111.6	110.9
24"	120"	120.0	120.0	120.0	120.0	120.0
30"		115.9	120.0	120.0	120.0	120.0
36"		96.6	120.0	120.0	120.0	120.0
42"		82.8	106.5	120.0	120.0	120.0
48"		72.5	93.1	113.8	120.0	120.0
54"		64.4	82.8	101.2	117.8	117.1
60"		58.0	74.5	91.1	106.0	105.4
24"	126"	120.0	120.0	120.0	120.0	120.0
30"		110.4	120.0	120.0	120.0	120.0
36"		92.0	118.3	120.0	120.0	120.0
42"		78.9	101.4	120.0	120.0	120.0
48"		69.0	88.7	108.4	120.0	120.0
54"		61.3	78.9	96.4	112.2	111.5
24"	132"	120.0	120.0	120.0	120.0	120.0
30"		105.4	120.0	120.0	120.0	120.0
36"		87.8	112.9	120.0	120.0	120.0
42"		75.3	96.8	118.3	120.0	120.0
48"		65.9	84.7	103.5	120.0	119.8
54"		58.5	75.3	92.0	107.1	106.5
24"	138"	120.0	120.0	120.0	120.0	120.0
30"		100.8	120.0	120.0	120.0	120.0
36"		84.0	108.0	120.0	120.0	120.0
42"		72.0	92.6	113.1	120.0	120.0
48"		63.0	81.0	99.0	115.2	114.6
24"	144"	120.0	120.0	120.0	120.0	120.0
30"		96.6	120.0	120.0	120.0	120.0
36"		80.5	103.5	120.0	120.0	120.0
42"		69.0	88.7	108.4	120.0	120.0
48"		60.4	77.6	94.9	110.4	109.8

ANCHORS TYPES: SEE SHEET 5 FOR DESCRIPTION

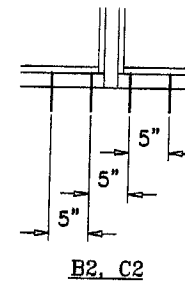
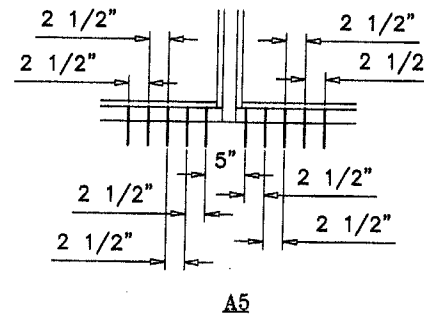
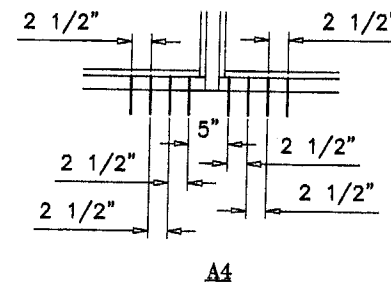
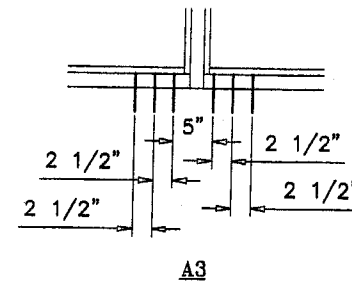
B2 = (2) ANCHORS TYPE 'B' AT EACH SIDE OF MULLION
C2 = (2) ANCHORS TYPE 'C' AT EACH SIDE OF MULLION

A3 = (3) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION
A4 = (4) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION
A5 = (5) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION

ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION.



$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$



Approved as complying with the
Florida Building Code
Date: 03/05/05
NOAH 05-0204.01
Miami Dade Product Control
Division
By: [Signature]

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

JAN 28 2005

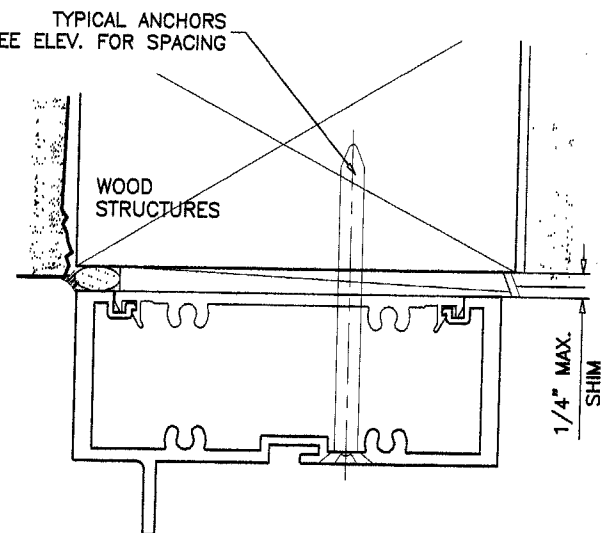
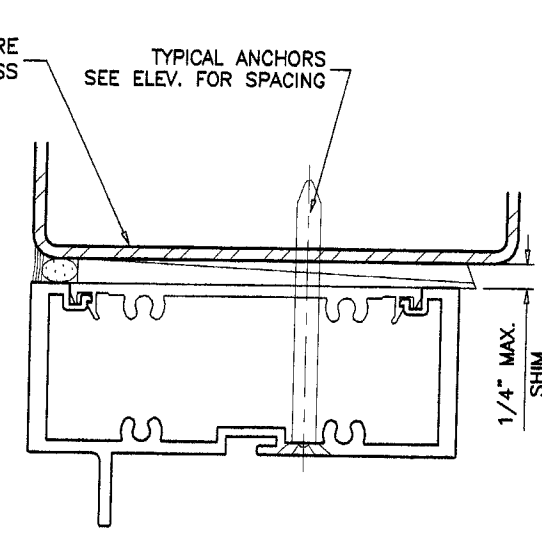
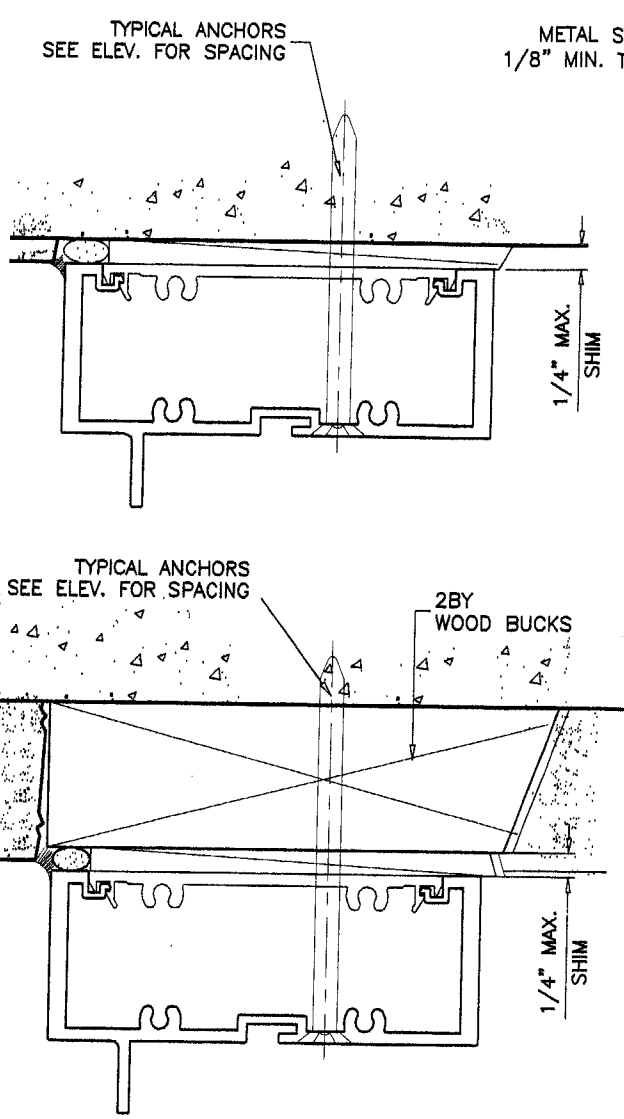
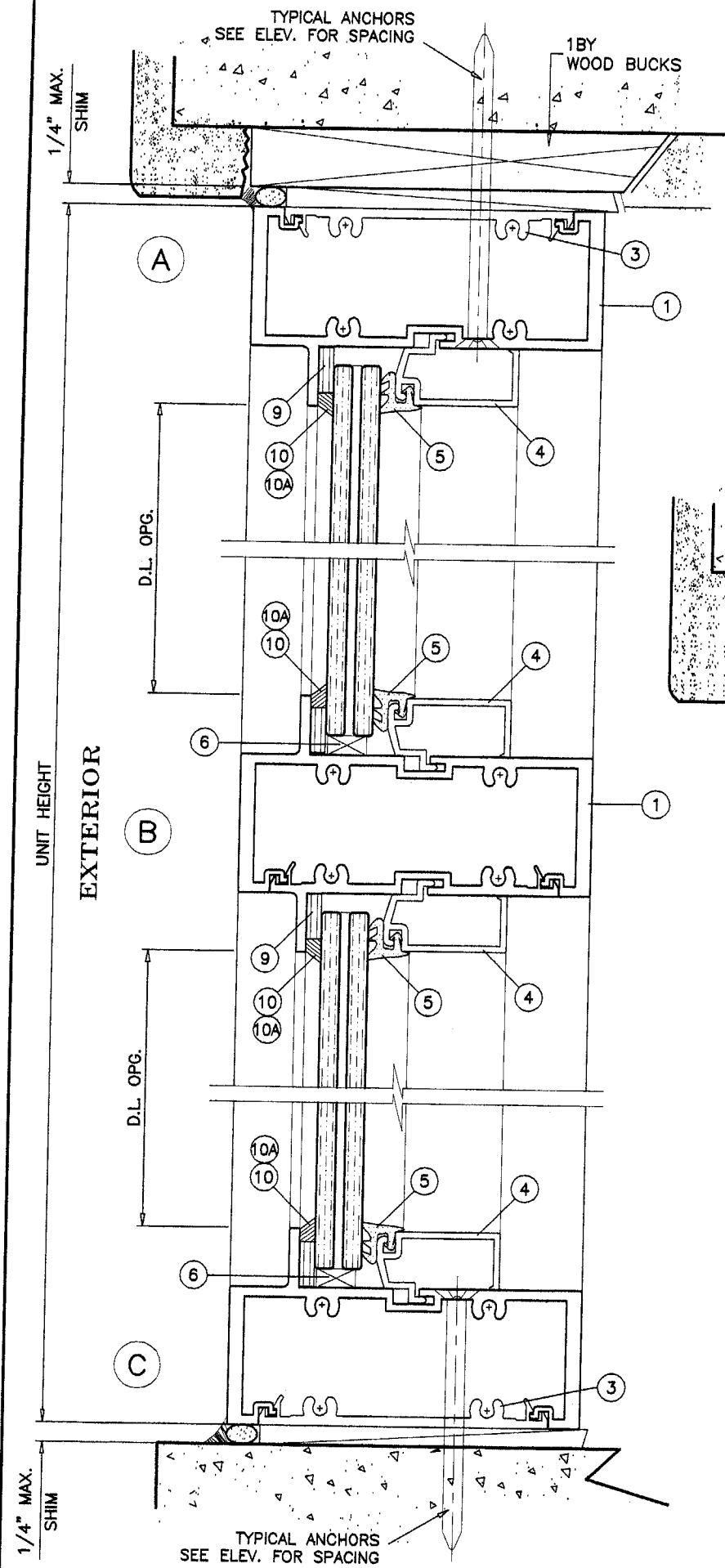
AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978

SERIES SMI-175 ALUM WINDOW WALL (S.M.I.)
SMITH MOUNTAIN IMPACT SYSTEMS
11520 S.W. 120 ST.
MIAMI, FL. 33176
TEL. (305) 278-2878 FAX. (305) 278-2879

revisions:	no	date	by	description

date: 11-26-04
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W04-100
sheet 4 of 7



WOOD BUCKS NOT BY SMITH MOUNTAIN, MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

- TYPE 'A' - 1/4" TAPCONS**
 INTO WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD
 THRU WOOD BUCKS INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
- TYPE 'B' - 1/4" TAPCONS**
 DIRECTLY INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
- TYPE 'C' - #14 SMS OR 1/4" SELF DRILLING SCREWS**
 INTO METAL STRUCTURES (STEEL OR ALUMINUM 1/8" MIN. THICK.)
 STEEL : Fy = 36 KSI MIN.
 ALUMINUM : 6063-T5 MIN.
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE
 INTO CONCRETE AND MASONRY = 3" MIN.
 INTO WOOD STRUCTURE = 1" MIN.

Approved as complying with the
 Florida Building Code
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 NOA# 05-0229.01
 Miami Dade Product Control
 Division
 By *[Signature]*

Engr: DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3538
[Signature]
 JAN 28 2005

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 COMP-ANL\W04-100SM

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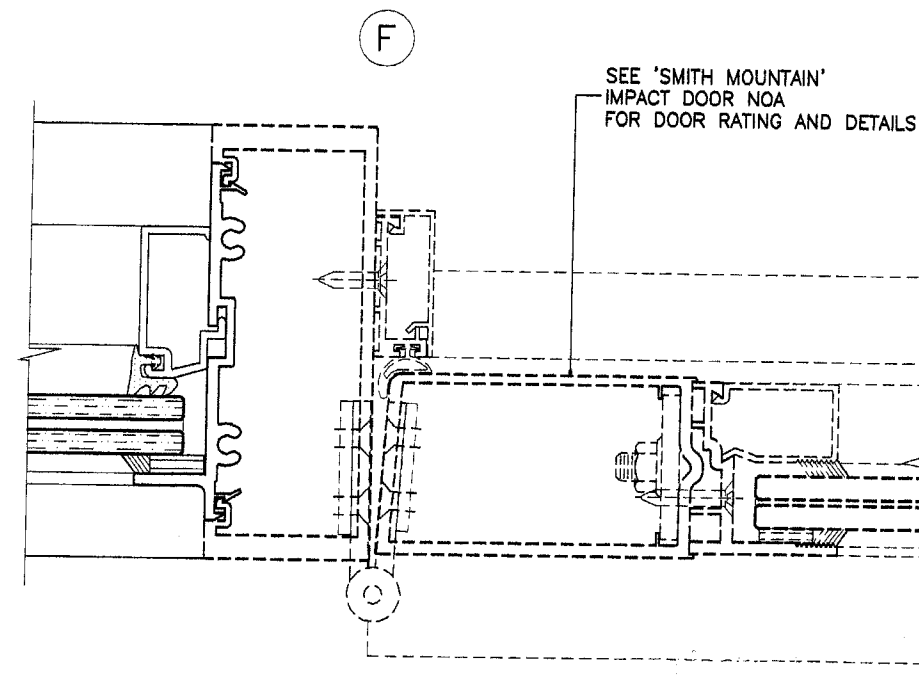
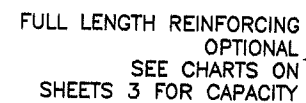
dr. by: HAMID

chk. by:

drawing no.

W04-100

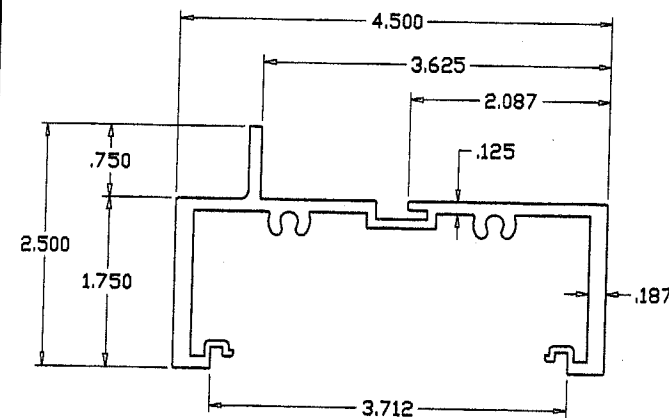
sheet 5 of 7



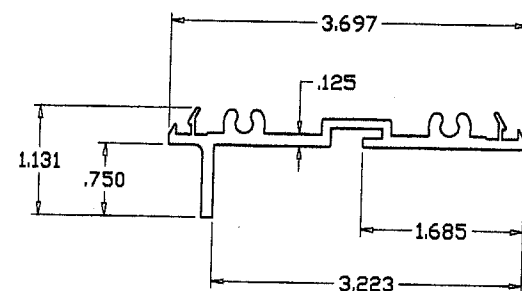
Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

0160-707 (1998)

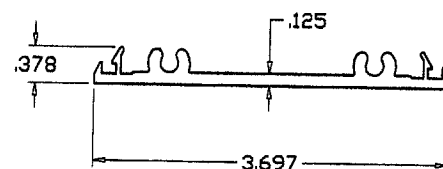
COMP-ANL\W04-100SM



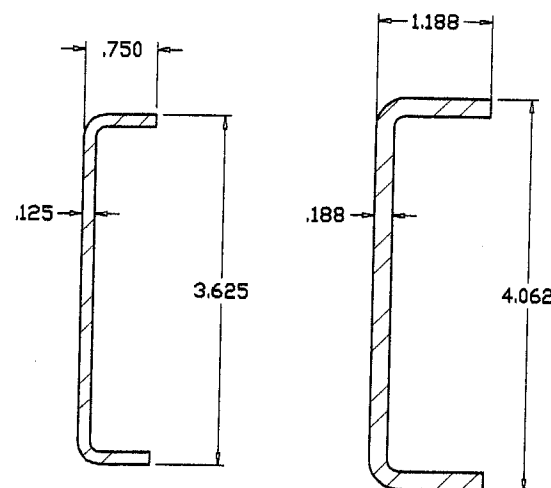
① FRAME HEAD/SILL/JAMB



② INTERMEDIATE SNAP-IN

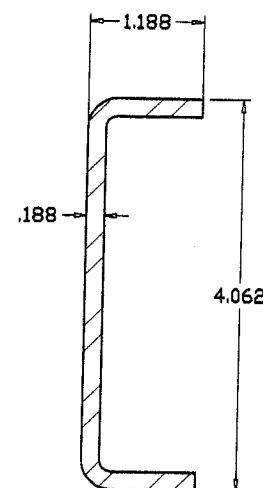


③ POCKET FILLER

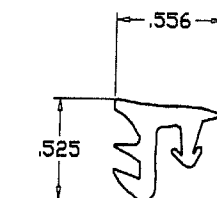


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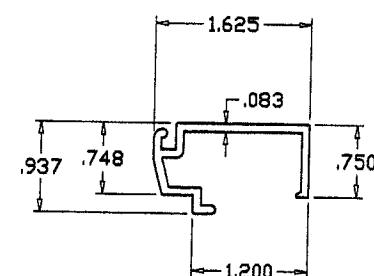
POCKET FILLER



⑪

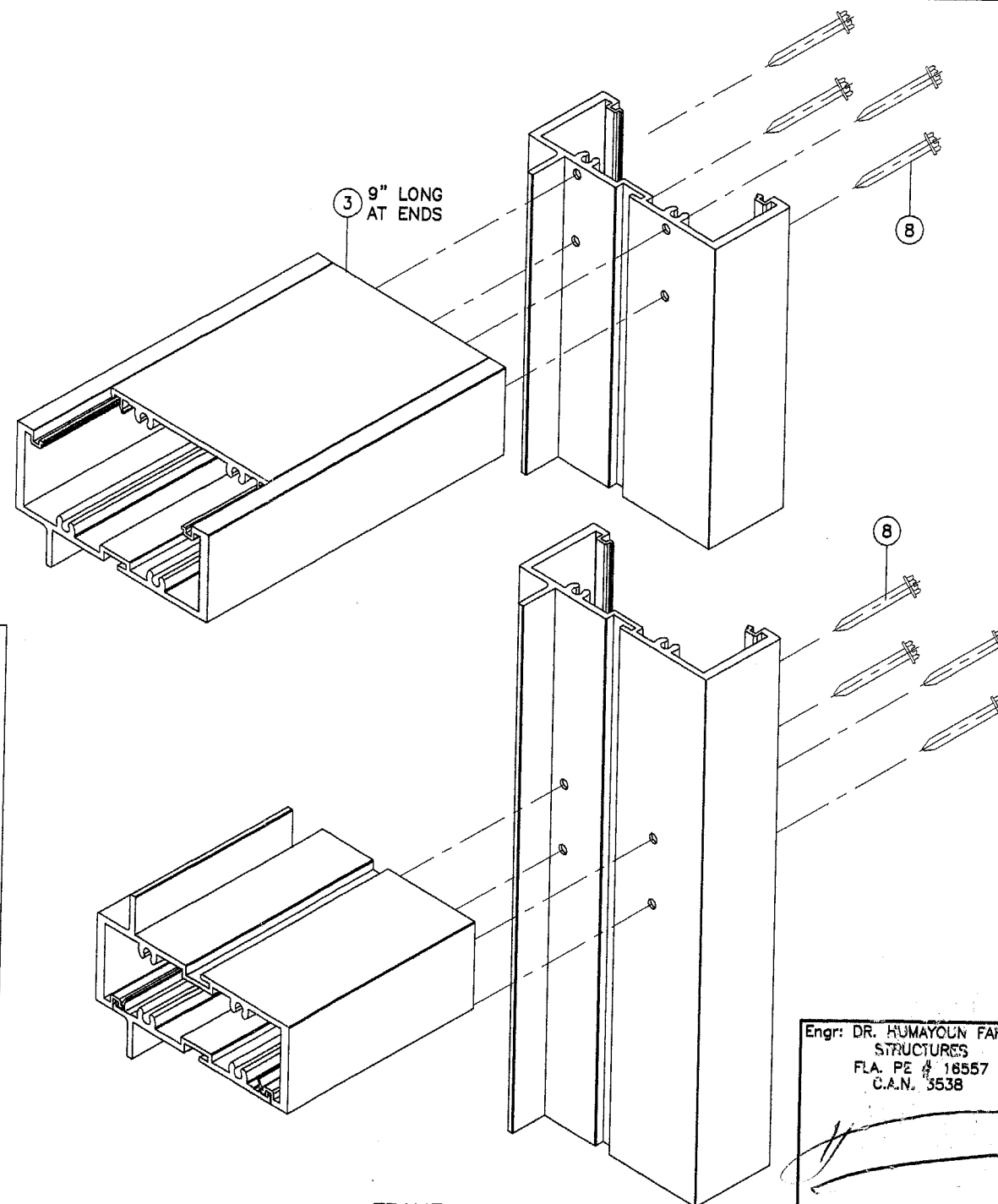


⑤ WEDGE-IN GASKET
SCALE 1:1



④ GLAZING STOP

ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	SMI-001	AS REQD.	FRAME HEAD/SILL/JAMB	6063-T5	SMITH MOUNTAIN
2	SMI-003	AS REQD.	INTERMEDIATE SNAP-IN	6063-T5	SMITH MOUNTAIN
3	SMI-004	AS REQD.	FLAT FILLER	6063-T6	SMITH MOUNTAIN
4	SMI-002	1/ CORNER	GLASS STOP	6063-T5	SMITH MOUNTAIN
5	H-63	AS REQD.	GLAZING GASKET	EPDM 70 ±5	UNIVERSAL RUBBER CO.
6	G-40A	AS REQD.	SETTING BLOCK (1/4" X 1/2" X 2" LONG)	EPDM 70 ±5	UNIVERSAL RUBBER CO.
7	1/4-20 X 2-1/4"	AS REQD.	MULLION SCREWS WITH NUT & WASHER	-	AT 4" FROM ENDS & 12" O.C.
8	#12 X 1-1/2"	2 PER CORNER	FRAME ASSEMBLY SCREWS	-	HEX H SELF DRILLING
9	V2100	-	ADHESIVE FOAM TAPE (1/4" X 1/2")	-	NORTON
10	995	-	GLAZING COMPOUND	-	DOW CORNING
10A	895	-	GLAZING COMPOUND	-	PECORA
11	-	-	REINFORCING CHANNEL	STEEL	1-3/16" X 4-1/16" X 1-3/16" X 3/16" THK.
12	-	-	REINFORCING CHANNEL	STEEL	3/4" X 3-5/8" X 3/4" X 1/8"



FRAME CORNER

Approved as complying with the
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Date 05/05/05
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Miami Code Product Control
Division
By *[Signature]*

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STRUCTURES
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JAN 28 2005

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sheet 7 of 7

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